



FORM PTO/SB/08A/B (10-01)
Substitute for PTO-1449A/B

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

Attorney Docket Number	36791/PAN/B600
Application Number	09/533,022
Filing Date	March 22, 2000
Applicant(s)	Wilf Le Blanc et al.
Group Art Unit	2739
Examiner Name	To be Assigned

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U.S. PATENT DOCUMENTS			SEP 06 2002	
EXAMINER INITIALS	CITE NO. ¹	DOCUMENT NUMBER Number - kind code ² (If known)	PUBLICATION DATE MM-DD-YYYY	Technology Center 2600 NAME OF PATENTEE
JFH				
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Jeffrey H. Ward	3/5/05

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OPK		5,987,061	11-16-1999	Chen	
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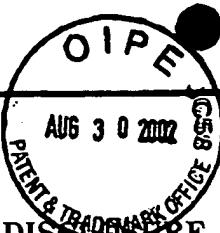
FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ . Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶ (<input checked="" type="checkbox"/>)
OPK		WO 97/26753 A1	07-24-1997	I-Link Worldwide, Inc.	

OTHER DOCUMENTS					
EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
OPK		R. W. LUCKY, <i>QAM Receiver I. General Description of Complete Receiver Block Diagram and Details of the Symbol Clock Recovery and Other Front-End Subsystems</i> , Applications of Communications Theory, Chapter 13, pages 127-135, Bellcore			
OPK		R. W. LUCKY, <i>QAM Receiver II. The Passband Adaptive Equalizer and Carrier Recovery System</i> , Applications of Communications Theory, Chapter 14, Pages 137-151, Bellcore			

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<i>Jeffrey Hwang</i>	3/5/05

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<i>JPL</i>		EDWARD A. LEE et al., <i>Adaptive Equalization</i> , Digital Communication, Chapter 9, pages 371-402	
		EDWARD A. LEE et al., <i>Timing Recovery</i> , Digital Communication, Chapter 15, Pages 560-582	
		WILLIAM WEBB et al., <i>Basic Equaliser Techniques</i> , Modern Quadrature Amplitude Modulation, Principles and Applications for Fixed and Wireless Communications, IEEE Press, New York, Chapter 7, Pages 197-211	
		MIKE GRAY, <i>FAX Technology Tutorial and Testing Issues</i> , Agilent Technologies, © 2000, pages 1-20	
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		JOHN G. PROAKIS, <i>Digital Signaling Over a Channel With Intersymbol Interference</i> , Digital Communications, ISBN 0-07-05097-1, © 1983, Pages 357-381, McGraw-Hill, Inc.	
		BELL COMMUNICATIONS RESEARCH, <i>Dual-Tone Multifrequency Receiver Generic Requirements for End-to-End Signaling Over Tandem-Switched Voice Links</i> , © March 1987, Technical Reference TR-TSY-000181 Issue 1, 11 sheets	
		BELL COMMUNICATIONS RESEARCH, <i>Impulse Noise Tape No. 201</i> , Technical Reference TR-TSY-000762 Issue 1, © July 1987, 4 sheets	
		BELL COMMUNICATIONS RESEARCH, <i>Digit Simulation Test Tape</i> , Technical Reference TR-TSY-000763 Issue 1, © July 1987, 6 sheets	
		JOHN A.C. BINGHAM, <i>Timing Recovery</i> , The Theory and Practice of Modem Design, © 1988, Chapter 7, pages 189-236, John Wiley & Sons, Inc.	
<i>JPL</i>		JOHN A.C. BINGHAM, <i>Linear Adaptive Equalizers</i> , The Theory and Practice of Modem Design, © 1988, Chapter 8, pages 237-252, John Wiley & Sons, Inc.	

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JMK		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, Terminal Equipments, <i>Pulse Code Modulation (PCM) of Voice Frequencies</i> , ITU-T Recommendation, G. 711; © ITU 1988, 1993; 8 sheets
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		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Recommendations On Telephone Switching and Signalling, International Automatic and Semi-Automatic Working, <i>Technical Features of Push-Button Telephone Sets</i> , ITU-T Recommendation; Q. 23; © ITU 1988, 1993, 4 sheets
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		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, <i>300 Bits Per Second Duplex Modem Standardized For Use in The General Switched Telephone Network</i> , ITU-T Recommendation V. 21; © ITU 1988, 1993; 7 sheets
JMK		INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, <i>1200 Bits Per Second Duplex Modem Standardized For Use In The General Switched Telephone Network And On Point-To-Point 2-Wire Leased Telephone-Type Circuits</i> , ITU-T Recommendation V.22, © ITU 1988, 1993; 16 sheets

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OTHER DOCUMENTS		
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JW		INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, <i>2400 Bits Per Second Duplex Modem Using The Frequency Division Technique Standardized For Use On The General Switched Telephone Network And On Point-To-Point 2-Wire Leased Telephone-Type Circuits</i> , ITU-T Recommendation V.22 bis, © 1988, 1993; 18 sheets
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, <i>4800/2400 Bits Per Second Modem Standardized For Use in The General Switched Telephone Network</i> , ITU-T Recommendation, V.27 ter, © ITU 1988, 1993; 15 sheets
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, <i>9600 Bits Per Second Modem Standardized For Use On Point-To-Point 4-Wire Leased Telephone-Type Circuits</i> , ITU-T Recommendation, V. 29, © ITU 1988, 1993, 17 sheets
		FUYUN LING et al., <i>Convergence and Steady-State Behavior of a Phase-Splitting Fractionally Spaced Equalizer</i> , IEEE Transactions on Communications, © April 4, 1990, Vol. 38, No. 4, pages 418-425, IEEE
		PAUL FISCHER, <i>State Machines In C</i> , The C Users Journal, December 1990, pages 119-122
		INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, Data Communication Over the Telephone Network, <i>Data Compression Procedures For Data Circuit Terminating Equipment (DCE) Using Error Correction Procedures</i> , ITU-T Recommendation, V.42 bis; © ITU 1990; 29 sheets
JW		INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, General Aspects of Digital Transmission Systems; Terminal Equipments, <i>40, 32, 24, 16 kbit/s Adaptive Differential Pulse Code Modulation (ADPCM)</i> , ITU-T Recommendation, G.726; © 1990; 59 sheets

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<i>WJW</i>		INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, General Aspects of Digital Transmission Systems; Terminal Equipments, 5-, 4-, 3- And 2-bits Sample Embedded Adaptive Differential Pulse Code Modulation (ADPCM); Recommendation G. 727; © ITU 1990; 57 sheets	
		INTERNATIONAL TELECOMMUNICATION UNION, CCITT- The International Telegraph and Telephone Consultative Committee, Data Communication Over the Telephone Network, A 2-Wire Modem for Facsimile Applications With Rates up to 14 400 bit/s, Recommendation V. 17; © ITU 1991; 13 sheets	
		INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, A Duplex Modem Operating At Data Signalling Rates Of Up To 14 400 bit/s For Use On The General Switched Telephone Network And On Leased Point-To-Point 2-Wire Telephone-Type Circuits, ITU-T Recommendation V. 32 bis; © ITU 1991, 24 sheets	
		PANOS E. PAPAMICHALIS, Texas Instruments, Inc., Practical Approaches to Speech Coding, Prentice-Hall, Inc., Englewood Cliffs, New Jersey; 1992, pages 163-167	
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU; General Aspects of Digital Transmission Systems; Terminal Equipments, Coding of Speech at 16 kbit/s Using Low-delay Code Excited Linear Prediction, Recommendation G. 728; 09/1992, 65 sheets	
<i>WJW</i>		INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, A Family Of 2-Wire, Duplex Modems Operating At Data Signalling Rates Of Up To 9600 bit/s For Use On The General Switched Telephone Network And On Leased Telephone-Type Circuits, ITU-T Recommendation V.32; © 1993; 26 sheets	

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JFM		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, ERROR-CORRECTING PROCEDURES FOR DCES USING ASYNCHRONOUS-TO-SYNCHRONOUS CONVERSION, ITU-T Recommendation V. 42; © ITU 1993; 78 sheets
		GARDNER et al.; Qualcomm Inc.; QCELP: A Variable Rate Speech Coder for CDMA Digital Cellular, © 1993 by Kluwer Academic Publishers; Second Printing 1995; 9 sheets
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU; Data Communication Over The Telephone Network, A Modem Operating At Data Signalling Rates Of Up To 28 800 bit/s For Use On The General Switched Telephone Network And On Leased Point-To-Point 2-Wire Telephone-Type Circuits, ITU-T Recommendation V.34; © ITU 1994; 43 sheets
		INTERNATIONAL TELECOMMUNICATION UNION ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, Coding of Speech at 16 kbit/s Using Low-Delay Code Excited Linear Prediction, Annex G: 16 kbit/s Fixed Point Specification, ITU-T Recommendation G.728 - Annex G; © ITU 1995; 67 sheets
		IEEE; IEEE Standards for Local and Metropolitan Area Networks: Supplement to Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, "Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 100 Mb/s Operation, Type 100BASE-T (Clauses 21-30); © 1995; 408 sheets
		DENNIS R. MORGAN et al., A Delayless Subband Adaptive Filter Architecture, IEEE Transactions on Signal Processing, Vol. 43, No. 8; © August 1995, pages 1819-1830
JFM		Internet Papers: SCHULZRINNE H.; RTP Profile for Audio and Video Conferences with Minimal Control, Network Working Group Request for Comments: 1890; http://www.cis.ohio-state.edu/cgi-bin/rfc/rfc1890.html ; January 1996; 15 sheets

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JW		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, <i>Dual Rate Speech Coder For Multimedia Communications Transmitting at 5.3 and 6.3 kbit/s</i> ; ITU-T Recommendation G. 723.1; © ITU 1996; 31 sheets
		INTERNATIONAL TELECOMMUNICATION UNION ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, <i>Coding of Speech at 8 kbit/s Using Conjugate-Structure Algebraic-Code-Excited Linear-Prediction (CS-ACELP)</i> ; ITU-T Recommendation G.729; © ITU 1996; 38 sheets
		BELLCORE Bell Communication Research, Generic Requirements GR-506-CORE, <i>LSSGR: Signaling for Analog Interfaces</i> , (A Module of LSSGR, FR-64); Issue 1; © June 1996; 240 sheets
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T- Telecommunication Standardization Sector of ITU, Series T: Terminal Equipments and Protocols for Telematic Services, <i>Procedures for Document Facsimile Transmission in the General Switched Telephone Network</i> , ITU-T Recommendation T. 30; © ITU 1997; 74 sheets
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series T: Terminal Equipments and Protocols for Telematic Services, <i>Standardization of Group 3 Facsimile Terminals for Document Transmission</i> , ITU-T Recommendation T. 4; © ITU 1997; 61 sheets
JW		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Transmission Systems - Terminal Equipments - Coding of Analogue Signals By Methods Other Than PCM, <i>Dual Rate Speech Coder for Multimedia Communications Transmitting at 5.3 and 6.3 kbit/s, Annex A: Silence Compression Scheme</i> ; ITU-T Recommendation G.723.1 - Annex A; © ITU 1997; 22 sheets

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		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Transmission Systems - Terminal Equipments - Coding of Analogue Signals by Methods Other Than PCM, "Coding of Speech at 8 kbit/s Using Conjugate Structure Algebraic-Code-Excited Linear-Prediction (CS-ACELP)", Annex B: A Silence Compression Scheme For G.729 Optimized for Terminals Conforming to Recommendation V.70, ITU-T Recommendation G.729 - Annex B; © ITU 1997; 23 sheets
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Transmission Systems - Terminal Equipments - Coding of Analogue Signals by Methods Other Than PCM, <i>Coding of Speech at 8 kbit/s Using Conjugate Structure Algebraic-Code-Excited Linear-Prediction (CS-ACELP) Annex A: Reduced Complexity 8 kbit/s CS-ACELP Speech Codec</i> , ITU-T Recommendation G.729 - Annex A; © ITU 1997; 15 sheets
		European Telecommunication Standard, <i>Digital Cellular Telecommunications System; Half Rate Speech; Voice Activity Detector (VAD) for Half Rate Speech Traffic Channels (GSM 06.42 version 5.0.1)</i> ; Source ETS; TC-GSM; Reference DE/SMG-110642Q; ©1997; 21 sheets
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T, Telecommunication Standardization Sector of ITU, Series I: Integrated Services Digital Network, Overall Network Aspects and Functions - Protocol Layer Requirements, <i>B-ISDN ATM Adaptation Layer Specification: Type 2 AAL</i> , ITU-T Recommendation I.363.2; © 1998; 47 sheets
		Internet Papers: PERKINS et al.; <i>RTP Payload for Redundant Audio Data</i> ; Network Working Group Request for Comments: 2198; http://www.cis.ohio-state.edu/cgi-bin/rfc/rfc2198.html ; September 1997; pages 1-9

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FORM PTO/SB/08A/B (10-01)
Substitute for PTO-1449A/B



INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(use as many sheets as necessary)

Attorney Docket Number	36791/PAN/B600
Application Number	09/533,022
Filing Date	March 22, 2000
Applicant(s)	Wilf Le Blanc et al.
Group Art Unit	2739
Examiner Name	To be Assigned

OTHER DOCUMENTS

EXAMINER INITIALS	CITE NO. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
JW		Internet Papers: SCHULZINNE, "RTP Profile for Audio and Video Conferences with Minimal Control," Internet Engineering Task Force, Internet Draft; http://hegel.ittc.ukans.edu/topics/internet/internet-drafts/draft-i/draft-ietf-avt-profile-new-C.. ; November 20, 1997; pages 1-29
		IMTC Voice over IP Forum Technical Committee, "IMTC Voice over IP Forum Service Interoperability Implementation Agreement 1.0," December 1, 1997, VoIP97-061; pages 1-44
		EDWARD B. MORGAN, Fax Over Packet; Telogy Networks, Inc., Germantown, Maryland; © 1998; pages 1-12
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series V: Data Communication Over The Telephone Network, <i>A Modem Operating at Data Signalling Rates of up to 33 600 bit/s for Use on the General Switched Telephone Network and on Leased Point-to-Point 2-Wire Telephone-Type Circuits</i> ; ITU-T Recommendation V. 34; © ITU 1998; 78 sheets
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, SERIES T: TERMINALS FOR TELEMATIC SERVICES, <i>Procedures for Real Time Group 3 Facsimile Communication Over IP Networks</i> , ITU-T Pre-published Recommendation T. 38; © ITU 1998; 32 sheets
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series V: Data Communication Over the Telephone Network, Simultaneous Transmission of Data and Other Signals, <i>A Digital Modem and Analogue Modem Pair For Use on the Public Switched Telephone Network (PSTN) at Data Signalling Rates of up to 56 000 bit/s Downstream and up to 33 600 bit/s Upstream</i> , ITU-T Recommendation V. 90; © ITU 1999; 49 sheets
JW		FRAME RELAY FORUM TECHNICAL COMMITTEE, <i>Voice over Frame Relay Implementation Agreement</i> ; © 1998; 54 sheets

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<p>FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B</p> <p>INFORMATION DISCLOSURE</p> <p>STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>	Attorney Docket Number	36791/PAN/B600
	Application Number	09/533,022
	Filing Date	March 22, 2000
	Applicant(s)	Wilf Le Blanc et al.
	Group Art Unit	2739
	Examiner Name	To be Assigned

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OJW		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series I: Integrated Services Digital Network, Overall Network Aspects and Functions - Protocol Layer Requirements, <i>AAL Type 2 Service Specific Convergence Sublayer For Trunking</i> ; ITU-T Recommendation I.366.2; © ITU 1999; 96 sheets
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Systems and Networks, <i>Automatic Level Control Devices</i> ; ITU-T Recommendation G.169; © ITU 1999; pages 1-52
		Internet Papers: SCHULZRINNE et al.; <i>RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals</i> ; Network Working Group Request for Comments: 2833; © The Internet Society 2000; 31 sheets
SJW		ETSI EN 300 973, GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS, <i>Digital cellular telecommunications system (Phase 2+); Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels</i> ; GSM 06.42 version 8.0.1 Release 1999); © 2000; pages 1-22

EXAMINER SIGNATURE	<i>Terry Ward</i>	DATE CONSIDERED	<i>SJW 3/15</i>
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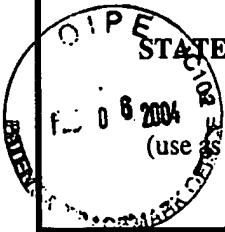
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Substitute for PTO-1449A/B

INFORMATION DISCLOSURE

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Attorney Docket Number	36791/SAH/B600
Application Number	09/533,022
Filing Date	March 22, 2000
Applicant(s)	Wilf LeBlanc, et al.
Group Art Unit	2739
Examiner Name	Not Yet Assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - Kind Code ² (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
JW		5,491,565	02-13-1996	Naper
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶ (<input checked="" type="checkbox"/>)

OTHER DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

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<i>Jeffrey Llano</i>	3/5/05

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<p>FORM PTO-1449</p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>	<p style="text-align: center;">JUL 30 2001 PATENT & TRADEMARK OFFICE U.S. DEPARTMENT OF COMMERCE</p> <p>Attorney Docket Number 36791/CAG/B600</p> <p>Application Number 09/533,022</p> <p>Filing Date March 22, 2000</p> <p>Applicant(s) Wilf LeBlanc, et al.</p> <p>Group Art Unit 2739</p> <p>Examiner Name To be assigned</p>
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FOREIGN PATENT DOCUMENTS							TRANSLATION	
EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	YES	NO	
DW	WO 97/28628	08/1997	WIPO	—	—			

OTHER DOCUMENTS	
EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, SERIES G: TRANSMISSION SYSTEMS AND MEDIA, DIGITAL SYSTEMS AND NETWORKS, International Telephone Connections and Circuits - Apparatus Associated With Long-Distance Telephone Circuits, "Digital Network Echo Cancellers," ITU-T Recommendation, 2000, 95 pages, G.168, Draft 5, ITU

EXAMINER SIGNATURE	<i>Jeffrey Blawie</i>	DATE CONSIDERED	3/5/05
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Attorney Docket Number Application Number Filing Date Applicant(s) Group Art Unit Examiner Name	36791/CAG/B600 09/533,022 March 22, 2000 Wilf LeBlanc, et al. 2739 To be assigned
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OTHER DOCUMENTS	
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<i>JFH</i>	INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Characteristics of International Telephone Connections of International Telephone Connections and International Telephone Circuits, "Echo Cancellers," ITU-T Recommendation, 03/1993, 31 pages, G.165, ITU
<i>JFH</i>	INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Transmission Systems and Media, Apparatus Associated With Long-Distance Telephone Circuits and Other Terminal Equipments, "Echo Suppressors," ITU-T Recommendation (Extract from the Blue Book), 1988, 1993, 36 pages, G.164, ITU

EXAMINER SIGNATURE	<i>Daffey Haroy</i>	DATE CONSIDERED	3/5/05
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Group Art Unit	2739
Examiner Name	To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
(JLH)	5,598,468	01/1997	Ammicht et al.	379	410	
(JLH)	5,329,587	07/1994	Morgan et al.	379	410	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS

EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
(JLH)	MAN MOHAN SONDHI and DAVID A. BERKLEY, Silencing Echoes on the Telephone Network, Proceedings of the IEEE, August 1980, pages 948-963, Vol. 68, No. 8
	DENNIS R. MORGAN and JAMES C. THI, A Delayless Subband Adaptive Filter Architecture, IEEE Transactions on Signal Processing, August 1995, pages 1819-1830, Vol. 43, No. 8
	DENNIS R. MORGAN and JAMES THI, A Multitone Pseudocascade Filtered-X LMS Adaptive Notch Filter, IEEE Transactions on Signal Processing, February 1993, pages 946-960, Vol. 41, No. 2
	DENNIS R. MORGAN and JAMES THI, A Multi-Tone Pseudo-Cascade Filtered-X LMS Adaptive Notch Filter, Digital Signal Processing, pages 2090-2096, ICASSP 91, Vol. 3 D, May 1991, Toronto, Ontario, Canada
(JLH)	JAMES THI and DENNIS R. MORGAN, A Broadband Pseudo-Cascade Active Control System, Speech Processing 2 Audio Neural Networks Underwater Acoustics, pages II-232-II-236, ICASSP-92, Vol. 2, S ₂ ANU, March 1992, San Francisco, California

EXAMINER SIGNATURE	<i>Tiffey LeBlanc</i>	DATE CONSIDERED	3/5/05
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